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Abstract

1. Method for operating a drive train of a motor
5 vehicle during a shifting operation of a gearwheel
change gearbox.
- 2.1. In known methods for controlling a drive train
during a shifting operation, an automated clutch
10 is only triggered for closing when a target gear
is fully engaged. It is the object of the
invention to propose a method which makes rapid
shifting operations possible and at the same time
ensures complete performance of the shifting
15 operations.
- 2.2. In the method according to the invention, the
clutch is triggered for closing before the target
gear is fully engaged. A control device determines
20 a triggering moment for the clutch as a function
of operational parameters and/or state variables
of the drive train. The control device calculates
a required interval which is necessary until
complete engagement of the target gear and an
25 interval which is necessary until a gripping point
of the clutch is reached. An optimum triggering
moment is determined from these intervals. The
tractive force interruption during a shifting
operation is thus very short. At the same time,
30 the completion of the shifting operation is
ensured.
- 2.3. Use in a motor vehicle.